CDX-5070/5072

SERVICE MANUAL

US Model
Canadian Model
AEP Model
E Model
CDX-5070
German Model
CDX-5072

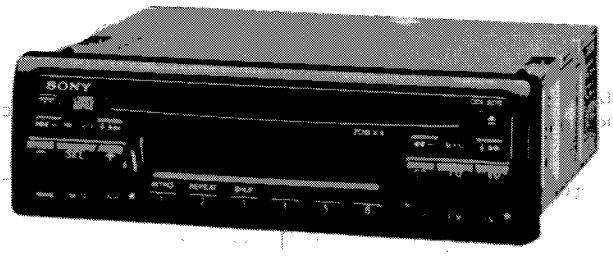

Photo: CDX-5070 US model

COMPACT disc DIGITAL AUDIO

Model Name Using Similar Mechanism	CDX-5060/5062
CD Drive Mechanism Type	MG-205X-130

SPECIFICATIONS

Power amplifier section

Outputs — Speaker outputs (sure seal connectors)
Speaker impedance — 4 – 8 ohms
Maximum power output — 20 W × 4 ch (at 4 ohms)

CD player section

System — Compact disc digital audio system
Frequency response — 10 – 20,000 Hz
Wow and flutter — Below the measurable limit
Signal-to-noise ratio — 90 dB

Tuner section

FM

Tuning range
87.5 – 107.9 MHz (at 200 kHz step) (US, Canadian Model)
87.5 – 108.0 MHz (at 50 kHz step) (AEP, E, German Model)
Antenna terminal — External antenna connector
Intermediate frequency — 10.7 MHz
Sensitivity — 8 dBf
Selectivity — 75 dB at 400 kHz
Signal-to-noise ratio — 65 dB (stereo), 70 dB (mono)
Harmonic distortion at 1 kHz — 0.5% (stereo), 0.3% (mono)
Separation — 35 dB
Frequency response — 30 – 15,000 Hz

MW

Tuning range
530 – 1,710 kHz (at 10 kHz atep) (US, Canadian Model)
530 – 1,620 kHz (at 10 kHz step) (E Model)
531 – 1,602 kHz (at 9 kHz step) (AEP, E, German Model)
Antenna terminal — External antenna connector
Intermediate frequency — 10.71 MHz/450 kHz
Sensitivity — 30 µV
Signal-to-noise ratio — 55 dB
Harmonic distortion at 1 kHz — 0.3%

LW (CDX-5070: AEP Model)

Tuning range — 153 – 281 kHz
Antenna terminal — External antenna connector
Intermediate frequency — 10.71 MHz/450 kHz
Sensitivity — 50 µV
Signal-to-noise ratio — 55 dB
Harmonic distortion at 1 kHz — 0.3%

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CDX-5070
FM/MW/LW COMPACT DISC PLAYER
CDX-5072
FM/MW/SW COMPACT DISC PLAYER

SONY®

MICROFILM

SW (CDX-5072: German Model)

Tuning range	5,950 – 6,205 kHz
Antenna terminal	External antenna connector
Intermediate frequency	10.71 MHz/450 kHz
Sensitivity	50 µV
Signal-to-noise ratio	55 dB
Harmonic distortion at 1 kHz	0.3%

General

Tone controls	Bass ± 8 dB at 100 Hz Treble ± 8 dB at 10 kHz
Power requirements	12 V DC car battery (negative ground)
Current drain	1 A (CD play) 1.5 A (during disc loading or eject)
Operating temperature	–10°C to 50°C
Dimensions	Approx. 186 × 57 × 172 mm (w/h/d) not incl. projecting parts and controls
Mass	Approx. 1.5 kg
Supplied accessories	Mounting hardware (1 set) Power connecting cord (1) Front panel case (1)

Design and specifications subject to change without notice.

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SERVICING NOTES

Laser Diode Properties

- Material: GaAlAs
- Wavelength: 780 nm
- Emission Duration: continuous
- Laser Output Power: less than 44.6 µW*
  * This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.

During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

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